Mike Scott
Office of the Sheriff

State of Florida
County of Lee

To: Village of Estero City Counsel Members

From: Lieutenant Dennis Petracca,

Subject: Village of Estero Traffic Survey Analysis Report

A study of vehicle traffic speed and traffic volume was conducted on various primary roadways within the Village of Estero utilizing the STALKER speed measurement trailer. The unit was deployed in the following locations, Three Oaks Pkwy monitoring north and southbound traffic, Estero Pkwy monitoring east and westbound traffic, Corkscrew Rd monitoring east and westbound traffic and US 41 monitoring north and southbound traffic. The seed and traffic volume is based on a seven (7) days. The primary goal during this survey was to gather and document traffic speeds and vehicle volumes at the designated locations. The speed survey started in the middle of December and ended in late February which was during the peak vehicle traffic volumes.

Below is a synopsis of the results from the speed study:

Estero Pkwy eastbound, the speed trailer was set up between Three Oaks Pkwy and US 41, the speed limit is 45 MPH, four lane divided roadway with a grass median, designated bike lane and sidewalks.

- Total traffic volume 29,327
- Average speed 47
- Maximum speed 86
- Minimum speed 14
- 85th Percentile 49
- 10MPH Pace 43-52

Estero Pkwy westbound, the speed trailer was set up between Three Oaks Pkwy and US 41, the speed limit is 45 MPH, four lane divided roadway with a grass median, designated bike lane and sidewalks.

- Total traffic volume 30,658
- Average speed 48
- Maximum speed 93
- Minimum speed 16
- 85th Percentile 52
- 10MPH Pace 44-53

Three Oaks Pkwy southbound, the speed trailer was placed between Estero Pkwy and Corkscrew Rd, the speed limit is 45 MPH, four lane divided roadway with a grass median, designated bike lane and sidewalks.

- Total traffic volume 36,637
- Average speed 44
- Maximum speed 94
- Minimum speed 11
- 85th Percentile 49
- 10MPH Pace 40-49

Three Oaks Pkwy northbound, the speed trailer was placed between Estero Pkwy and Corkscrew Rd, the speed limit is 45 MPH, four lane divided roadway with a grass median, designated bike lane and sidewalks.

- Total traffic volume 36,884
- Average speed 46
- Maximum speed 92
- Minimum speed 11
- 85th Percentile 50
- 10MPH Pace 41-50

Corkscrew Rd westbound, the speed trailer was placed east of Wild Cat Run. The speed limit is 45 MPH, two lane roadway.

- Total traffic volume 32,633
- Average speed 44
- Maximum speed 79
- Minimum speed 10
- 85th Percentile 48
- 10MPH Pace 40-49

Corkscrew Rd eastbound, the speed trailer was placed east of Wild Cat Run. The speed limit is 45 MPH, two lane roadway.

- Total traffic volume 29,488
- Average speed 45
- Maximum speed 79
- Minimum speed 15
- 85th Percentile 49
- 10MPH Pace 41-50

US 41 northbound, the speed trailer was placed between Corkscrew Road and Williams Road. The speed limit is 50 MPH and is a six lane divided roadway with a grass median

- Total traffic volume 81,266
- Average speed 46
- Maximum speed 98
- Minimum speed 10
- 85th Percentile 51
- 10MPH Pace 42-51

US 41 southbound, the speed trailer was placed between Corkscrew Road and Williams Road. The speed limit is 50 MPH and is a six lane divided roadway with a grass median.

- Total traffic volume 82,132
- Average speed 48
- Maximum speed 95
- Minimum speed 14
- 85th Percentile 52
- 10MPH Pace 44-53

85th percentile speed – the speed at or below which 85 percent of vehicles travel is typically used as a starting point for setting a rational limit but it may be set as low as the average speed based on other factors. Department of Transportation utilizes the 85th percentile to set the speed limits appropriately within jurisdictions.

This study is a continuation of the original 24hour study that was completed in the fall of 2015. After reviewing the survey documents, the speeds are within average of the posted speed limits.

We reviewed crash data in the Village of Estero and no known issues relating to speed or roadway designs were documented. A majority of the traffic crashes are related to high traffic volume and driver inattention.

Thank you,
Lt. Dennis Petracca